

FIG. 1

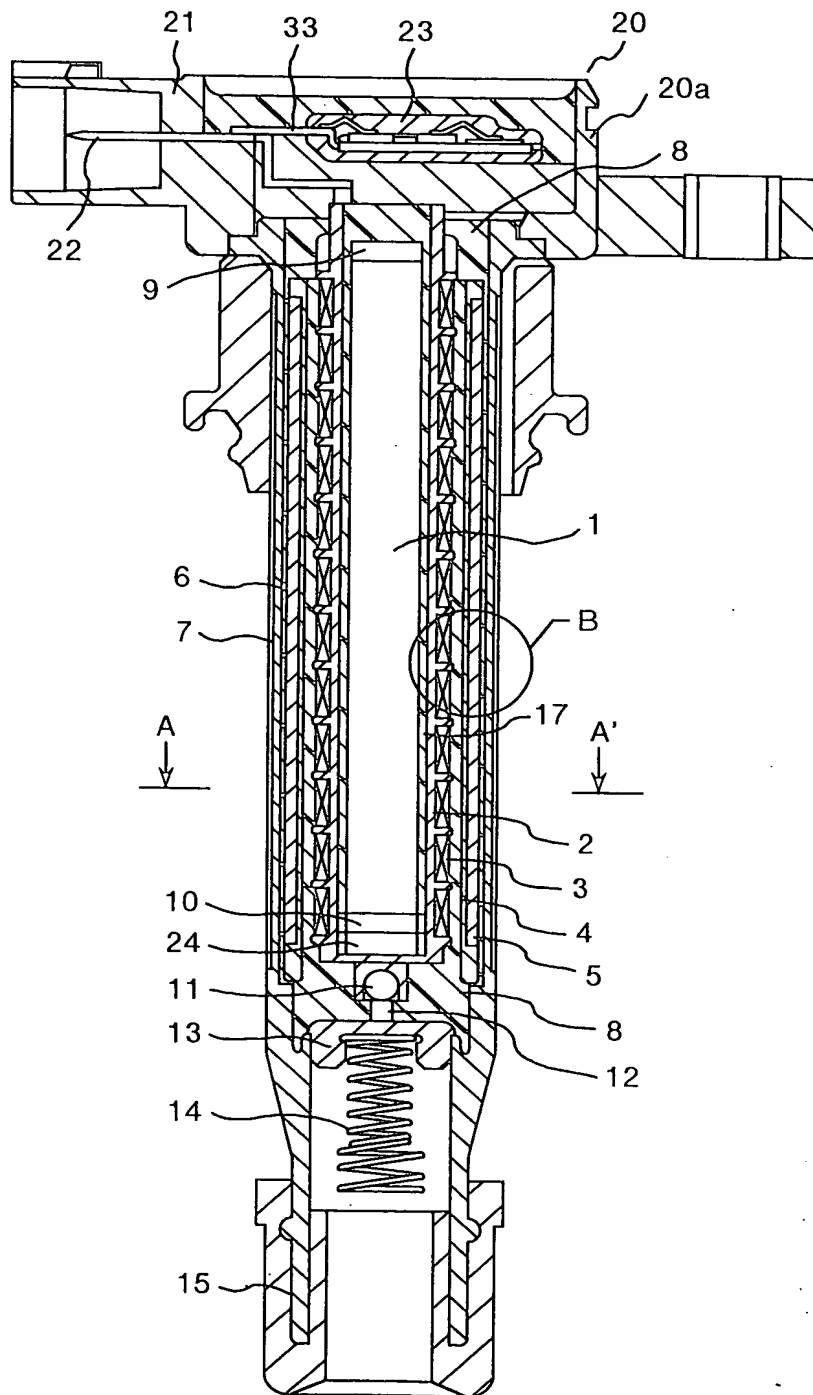
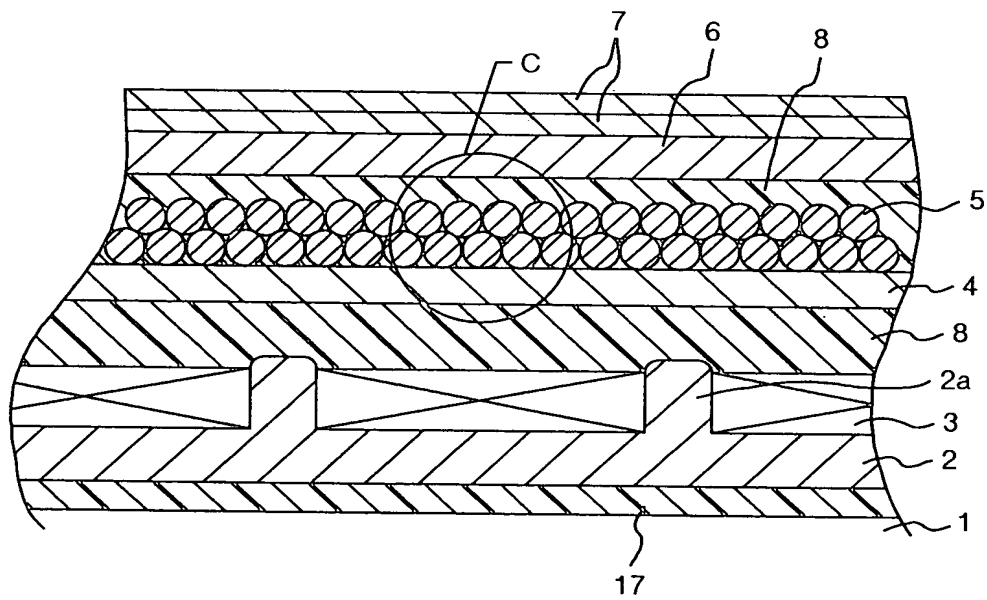


FIG. 2



- 1... CENTER CORE, 2... SECONDARY COIL BOBBIN,
 3... SECONDARY COIL, 4... PRIMARY COIL BOBBIN,
 5... PRIMARY COIL, 6... COIL CASING,
 7... SIDE CORE, 8... EPOXY RESIN, 17... SOFT EPOXY RESIN.

400242415-163404

FIG. 3

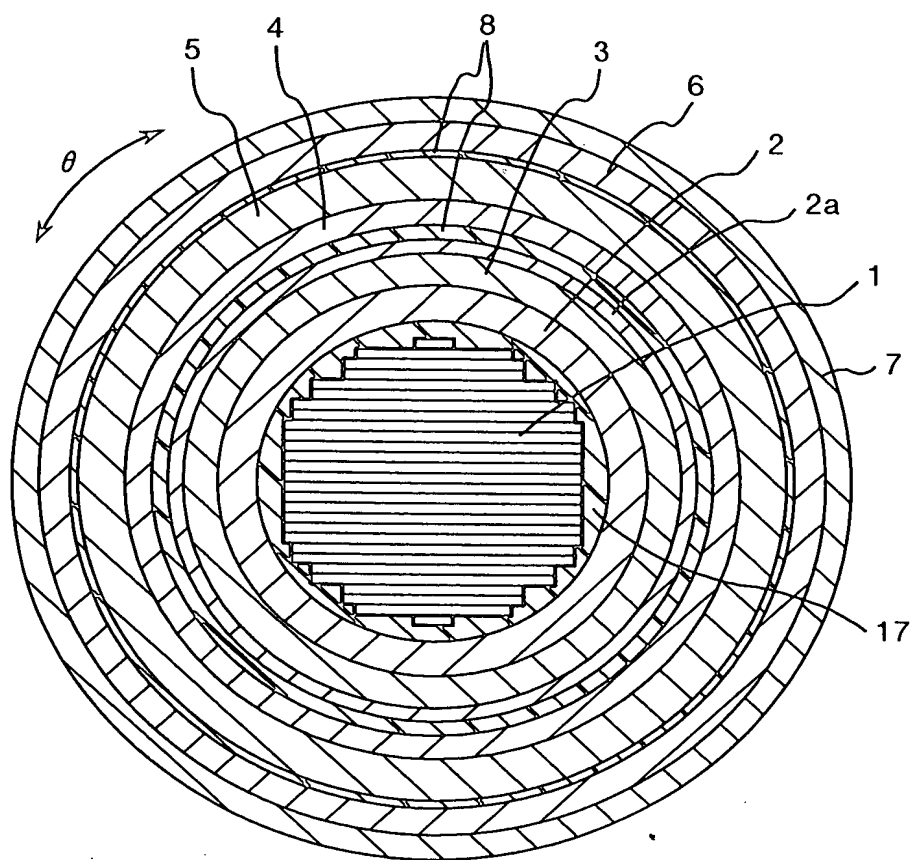
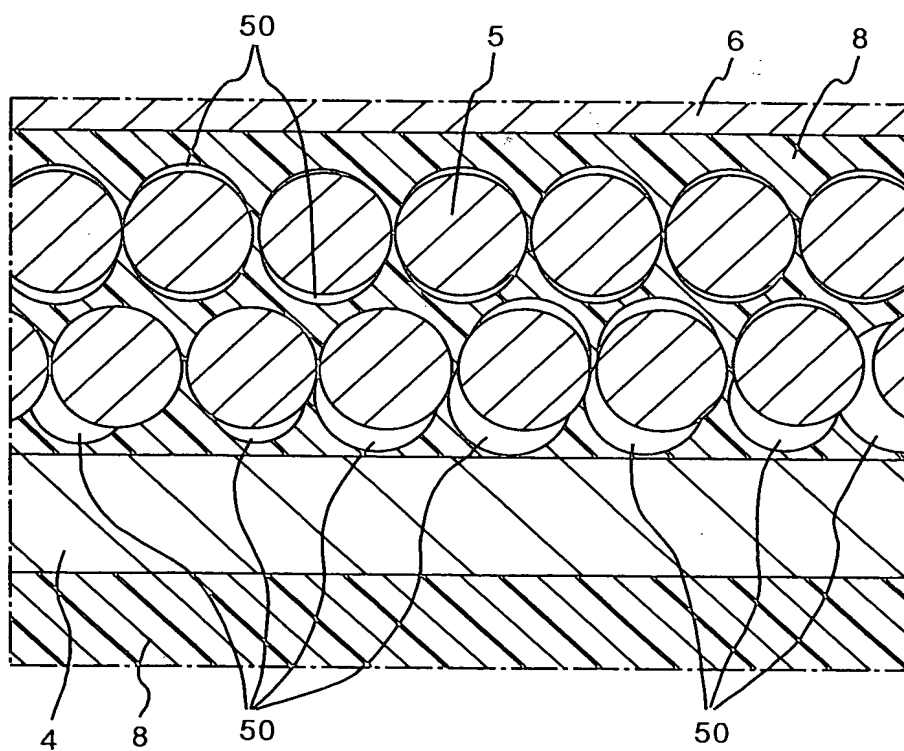


FIG. 4

FIG. 4



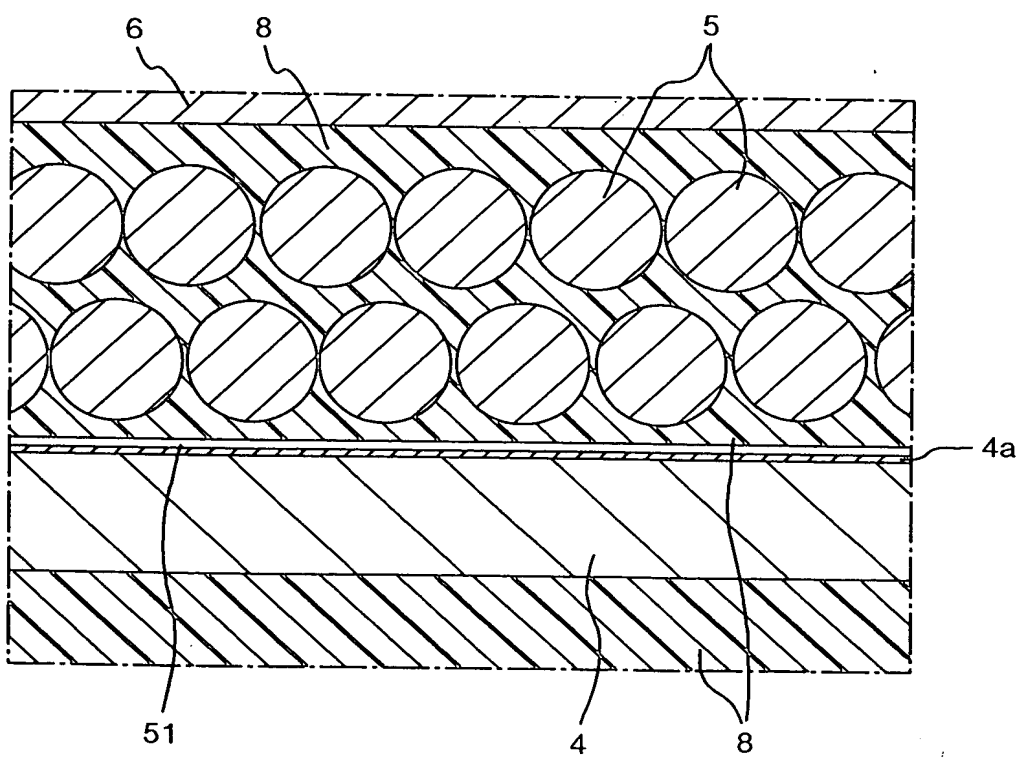
[illegible]

FIG. 6

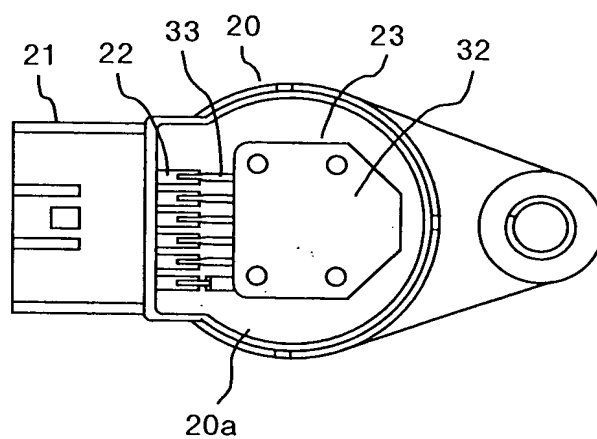


FIG. 7a

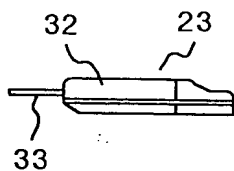


FIG. 7b

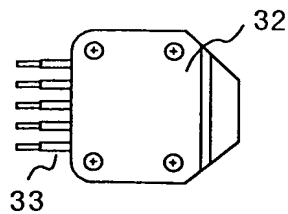
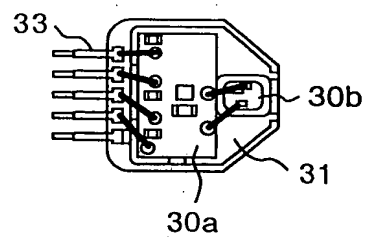


FIG. 7c



10024246.1

FIG. 8

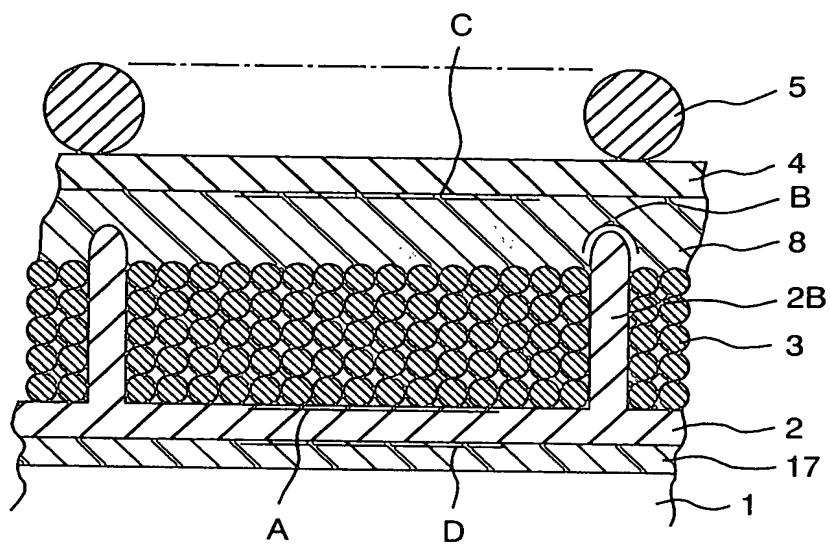


FIG. 9

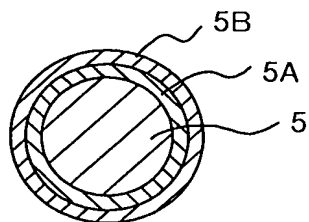
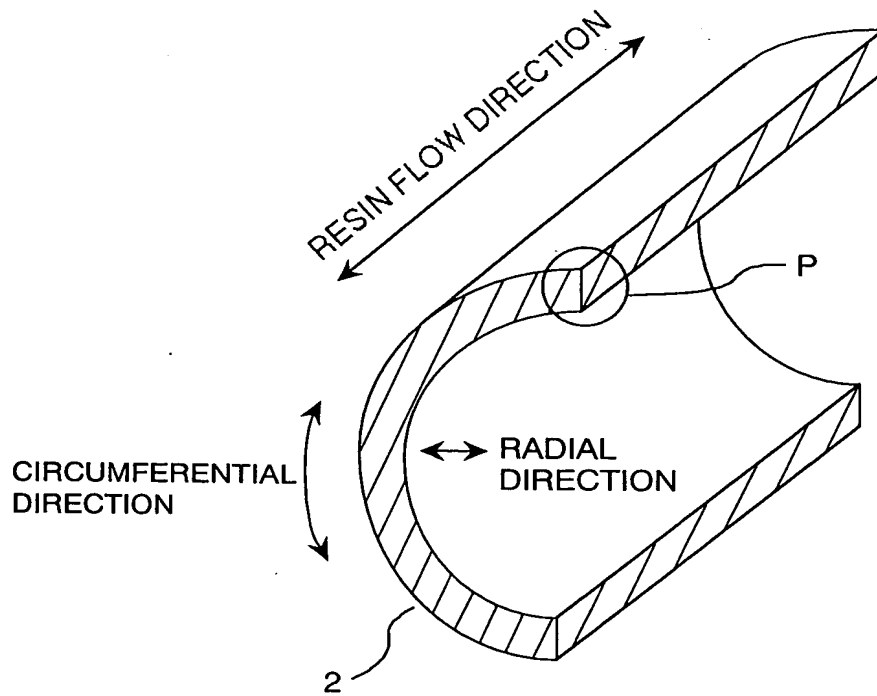


FIG. 10



1002445-162101

FIG. 11

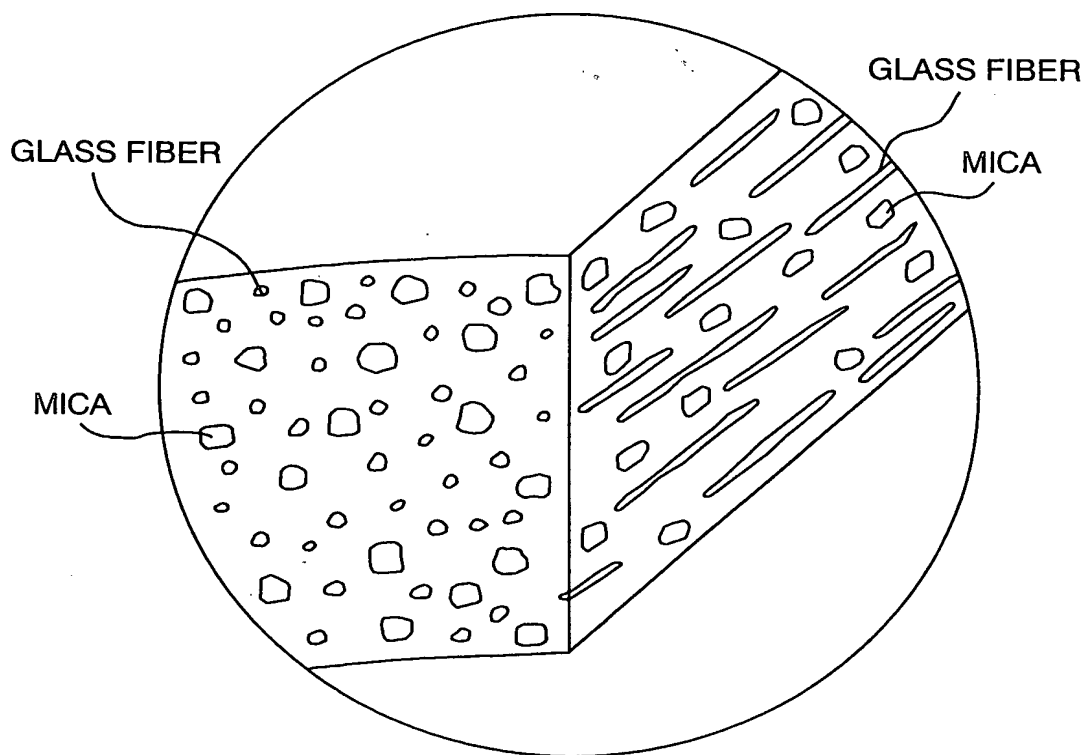
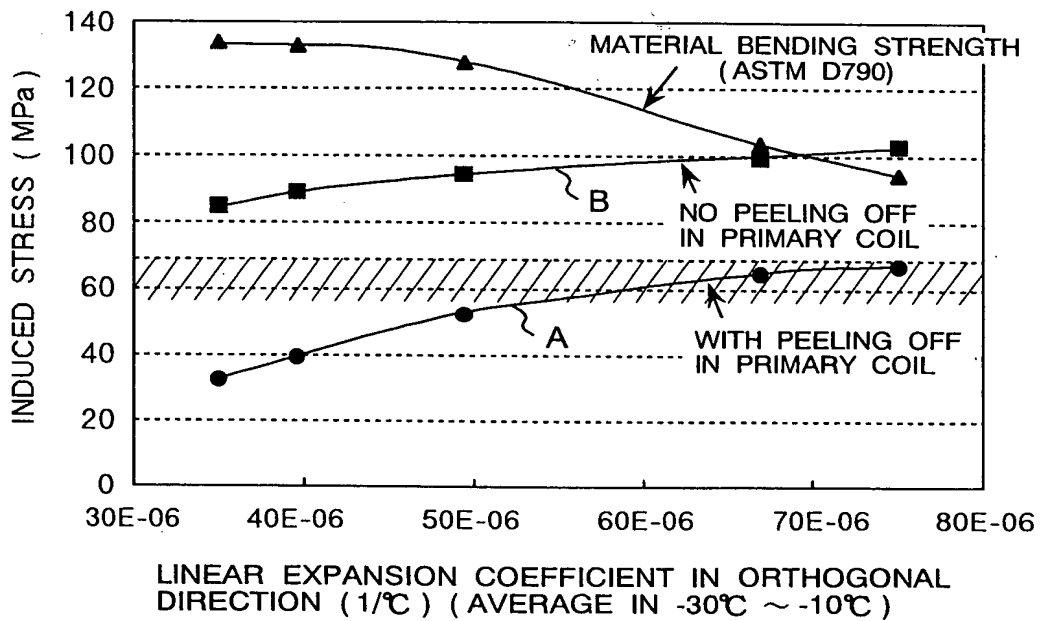


FIG. 12

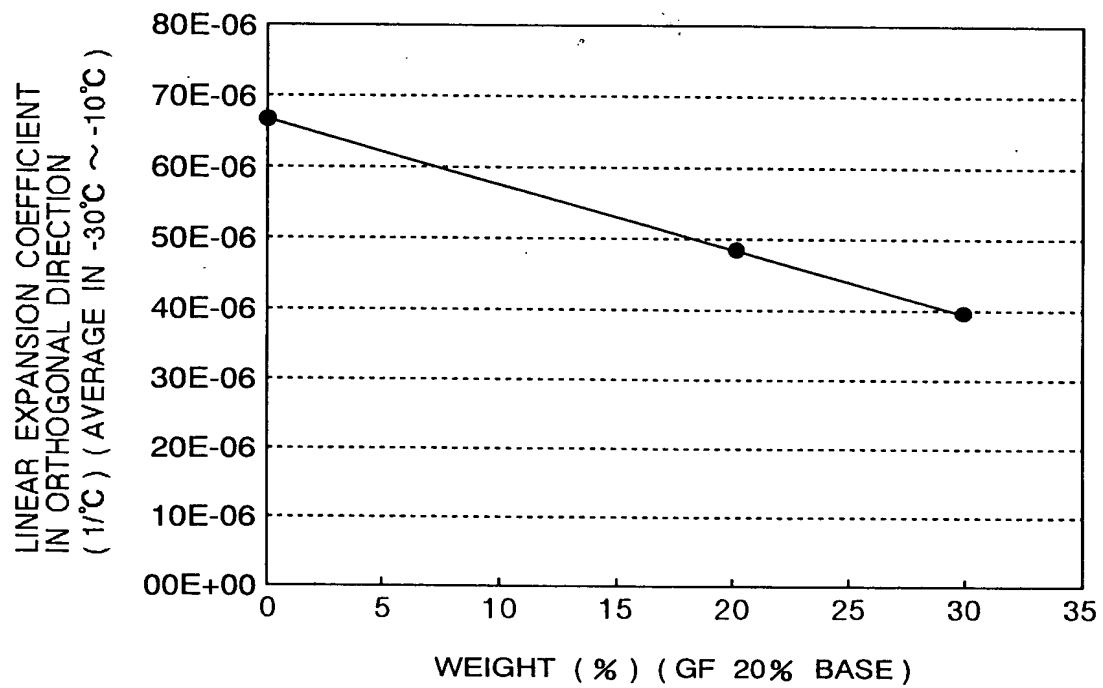
INDUCED STRESS IN SECONDARY
COIL BOBBIN (θ DIRECTION)



total 9434001

FIG. 13

RELATIONSHIP BETWEEN MICA CONTENT IN SECONDARY
COIL BOBBIN AND LINEAR EXPANSION COEFFICIENT



[illegible]

| Cycle Number | Induced Stress (MPa) |
|--------------|----------------------|
| 100 | 100 |
| 180 | 100 |
| 300 | 68 |
| 400 | 48 |
| 500 | 40 |
| 600 | 35 |

FIG. 15

FIG. 15

